

King County DNRP Water Quality Index

STATION **446** WATER YEAR **2014**

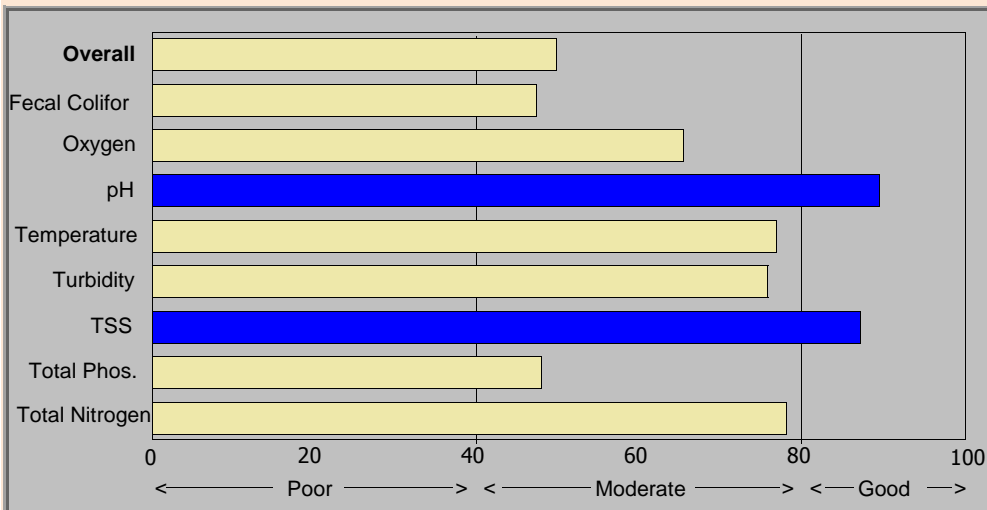
GAUGE # 27a Juanita Creek at Mouth

Overall Index 50

King County has monitored water quality in Juanita Creek at two locations. Station 0446 is located at the USGS gaging station north of Juanita Beach Park. Regular monitoring began in 1975 and continues today. Juanita Creek originates east of Interstate 405 and flows five miles, eventually draining into Lake Washington at Juanita Beach Park. Its basin covers 4,000 acres. Land use in the area has changed rapidly over the last 20 years. In 1981 only 40 percent of the basin was characterized as being "urban/suburban". Since then, much of the area has been developed and the basin is now described as "highly developed". Water quality in Juanita Creek has suffered from development; the creek is on the 2012 Washington Department of Ecology's 303(d) list of impaired streams for violation of water temperature, dissolved oxygen, and fecal coliform bacteria standards. Cutthroat trout and small populations of coho and chinook salmon have been found in Juanita Creek.

Annual Water Quality Index Scores

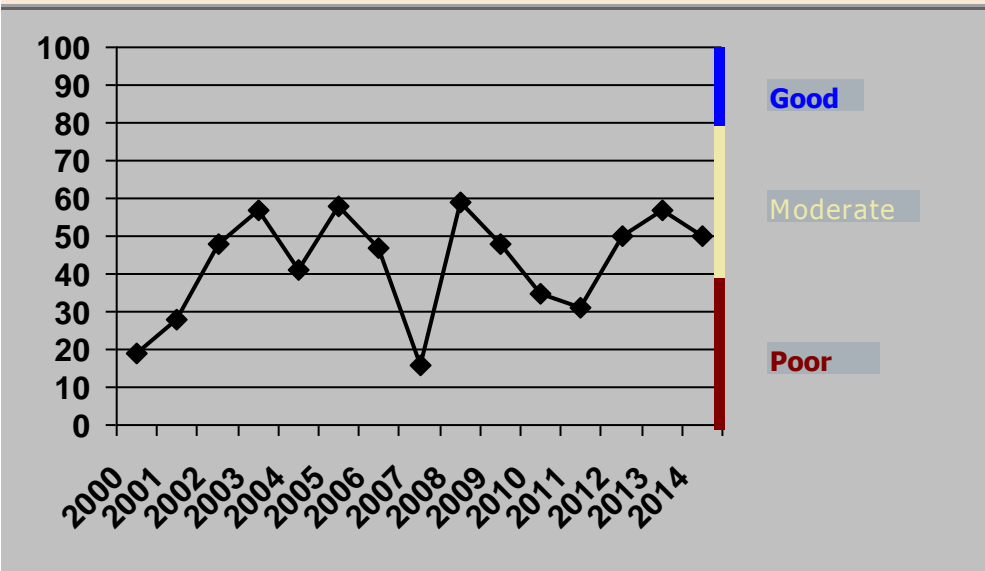
Water quality was MODERATE based on data collected 10/1/2013 to 9/30/2014.



Monthly Scores For Water Year 2014

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
79	84	80	76	88	60	77	69	75	59	31	60

WQI Score Comparison By Water Year



About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington's Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit <http://green.kingcounty.gov/WLR/Waterres/StreamsData/WQI.aspx>

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>